

#### ABSTRACT OF THE DISCLOSURE

A silver halide emulsion is disclosed, comprising at least one monovalent Au(I) complex coordinated with a compound represented by the following formula (1):



wherein  $R^1$  and  $R^2$  each independently represents an alkyl group, an alkenyl group, an alkynyl group, an aryl group or a heterocyclic group,  $R^1$  and  $R^2$  may combine with each other to form a 3-, 4-, 5-, 6- or 7-membered ring, and Ch represents a sulfur atom, a selenium atom or a tellurium atom.